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Slightly acidic stabilised aq. suspension herbicidal prepn. - contains sulphonium urea herbicidal cpd.

Patent Assignee: NISSAN CHEM IND LTD (NISC )

Number of Countries: 001 Number of Patents: 002

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| JP 5105606 | A    | 19930427 | JP 91269564 | A    | 19911017 | 199321 B |
| JP 3175850 | B2   | 20010611 | JP 91269564 | A    | 19911017 | 200135   |

Priority Applications (No Type Date): JP 91269564 A 19911017

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
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→ JP 5105606 A 5 A01N-047/28  
JP 3175850 B2 5 A01N-047/28 Previous Publ. patent JP 5105606

Abstract (Basic): JP 5105606 A

Aq. suspension prepn. with a pH of under 6 contains a sulphonium urea herbicidal cpd.

Also claimed is an aq. suspension prepn., with a pH of under 6, contg. a powdery contg. a sulphonium urea herbicidal cpd., mineral micropowder, and paraffin wax solid at room temp., and surface activator.

Decomposition of sulphonium urea herbicidal cpd. decomposing by hydrolysis is prevented, which stabilises the active component of the aq. suspension during storage.

In an example, polyoxyxystyrene styrylphenyl ether (3.0 wt.%) was dissolved in 0.2 M NaH<sub>2</sub>PO<sub>4</sub> (13.0 wt.%) and 0.1 M citric acid (50.0 wt.%). Then, pyrazosulphuronethyl, herbicidally active component, (1.0 wt.%) crushed into microparticles (Seishin Kogyo KK) was added to the soln. The mixt. was then stir-mixed. Then, 1% aq. soln. of (25.0 wt.%) and propylene glycol (8.0 wt.%) were added to the mixt. The mixt. was stir-mixed. A prepn. of the aq. suspension herbicidal prepn. was obtd. (pH 3.1).

The prepn. was subjected to a maltreatment test at 40 deg.C for one month to study the residual rate for the active component pyrazosulphuronethyl with a result of 85% residual rate. Control aq. suspension prepn. (pH 6.3) prepd. with the same components except for 0.2 M NaH<sub>2</sub>PO<sub>4</sub> and 0.1 M citric acid that were replaced by distilled water was submitted to the same test: residual rate 58%.

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Derwent Class: A97; C03

International Patent Class (Main): A01N-047/28

International Patent Class (Additional): A01N-025/04; A01N-025/08

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Polishing material - contg powdered abrasive eg alumina suspended in glycol thickened with neutralised carboxypolymet

Patent Assignee: UNION CARBIDE CORP (UNIC )

Number of Countries: 005 Number of Patents: 007

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
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